

WHAT IS CLAIMED IS:

1. A neutral beam source comprising:  
a plasma chamber having quartz;  
5 a grid assembly;  
a reflective member; and  
a means for applying a magnetic field to the plasma chamber such that plasma density in  
the plasma chamber becomes high.
- 10 2. The neutral beam source as claimed in claim 1, wherein the magnetic field  
applying means includes an electromagnet arranged around the plasma chamber while  
surrounding the plasma chamber.
3. The neutral beam source as claimed in claim 2, wherein the electromagnet  
15 generates the magnetic field having intensity of about 20 to 60 gauss.